

EGNRET 47

**Future Cooperation between
EGNRET and PPFS**

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**Asia-Pacific
Economic Cooperation**

EGNRET

Mission

- The APEC Expert Group on New and Renewable Energy Technologies (EGNRET) has been established by - and reports to - the APEC Energy Working Group (EWG).
- The mission of the EGNRET is to facilitate an increase in the use of new and renewable energy technologies in the APEC region.
- The activities of the EGNRET will be directed towards meeting the energy challenges identified by APEC Leaders and Energy Ministers.

Vision

APEC economies that are free from hunger and malnutrition, and contribute to the efforts of improving the living standard of all, especially the poorest and small holder, in an economically, socially and environmentally sustainable manners.

Long Term Goal

The long term goal of the PPFS is the attainment of a food system structure by 2020, sufficient to provide lasting food security to APEC member economies.

EGNRET Projects Linked to PPFS Mission



Strategy for Large-Scale Implementation of Biogas Capture from Palm Oil Mill Effluent and Reuse for Renewable Electricity Generation

USA (EWG 25 2015A) (04/03/2016 - 16/12/2016)

- 1) Publish a strategy around which a public-private alliance can converge to finance and implement biogas capture and use for renewable electricity generation at large scale that will particularly encompass a significant portion of the world's palm oil mills.
- 2) Use the content of the strategy to provide all information necessary to help stakeholders draw the conclusion that implementation will be successful and they want to be active participants in an alliance for financing and implementing the strategy.
- 3) Develop the design for an alliance, including, but not limited to, identifying which parties need to be at the table from each stakeholder segment, whether the alliance should form under an existing umbrella organization (e.g., an organization like APEC may, or may not, be the most effective forum for establishing this particular alliance), who are potential providers of the needed biogas technology and services, and which mills have an interest in implementing biogas capture and use.

EGNRET Projects Linked to PPFS Mission



APEC Low Carbon Model Town Solar Photovoltaic Agricultural Development Mode Study (China)

China (EWG 11 2015A) (01/07/2015 - 30/06/2016)

- 1) To create a framework between solar PV technology scheme and feasible commercial pattern for agriculture applications;
- 2) To develop recommendations in various solar PV agricultural application demonstration projects, and provide promotion suggestions for economies of different economic development levels; and
- 3) To provide technology and business model supporting the agricultural development in the developing and underdeveloped regions

EGNRET Projects Linked to PPFS Mission



Best Practices for Developing the Green Energy Smart Farm in the APEC Region EWG

Chinese Taipei (EWG 23 2015A) (01/12/2015 - 31/03/2017)

- 1) Assess and demonstrate the small-scale distributed renewable energy in the farms including solar PV and advanced biomass energy derived from the agricultural waste for the APEC region;
- 2) Introduce the PV-ESCO (energy service company) model, a financial mechanism to provide the economic benefits to farmers directly in the APEC regions; and
- 3) Help APEC's developing economies to build up the green energy smart farms with access to the renewable energy, and also assist the farmers and their family in reducing the poverty.

APEC Peru 2016

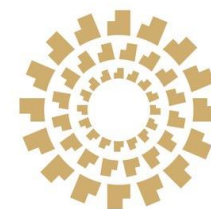
Quality Growth and Human Development



Best Practices for Developing the Green Energy Smart Farm in the APEC Region (EWG 23 2015A)

Priority work plan on **Development of rural communities (RD)**
for **Enhancing the Regional Food Market**

“Support for the realization of the initiative on best practices for
developing the Green Energy Smart Farm in the APEC Region, led
by Chinese Taipei.”




APEC PERU
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Thank you for your attention!



EGNRET website: <http://www.egnret.ewg.apec.org/>

APEC Energy Working Group
EXPERT GROUP ON NEW AND RENEWABLE ENERGY TECHNOLOGIES



Asia-Pacific Economic Cooperation




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WELCOME

Welcome to the official website of the APEC Expert Group on New and Renewable Energy Technologies (EGNRET)

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